



BZT52-C6V8FN2

SURFACE MOUNT ZENER DIODE

FEATURES

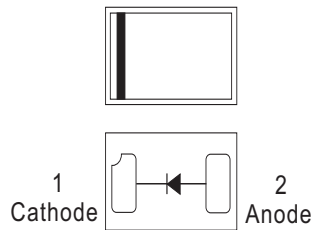
- Ultra-Small Leadless Surface Mount Package
- Ideally Suited for Automated Assembly Processes
- In compliance with EU RoHS 2002/95/EC directives

MECHANICAL DATA

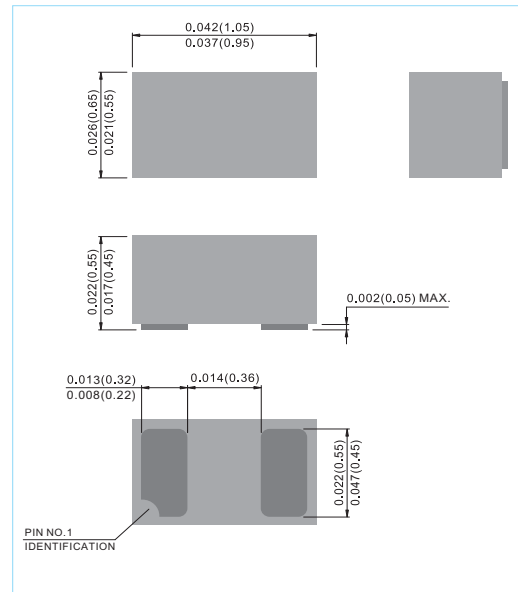
Case: DFN 2L, Plastic

Polarity : Color band cathode

Terminals: Solderable per MIL-STD-750, Method 2026



DFN 2L Unit : inch(mm)



Maximum Ratings @TA=25°C unless otherwise specified

Characteristic	Symbol	Value	Unit
Forward Voltage (Note 1)	@IF=10mA	VF	0.9 V

Thermal Characteristics

Characteristic	Symbol	Value	Unit
Power Dissipation (Note 2)	TA=25°C	PD	250 mW
Thermal Resistance, Junction to Ambient Air (Note 2)	TA=25°C	REJA	500 °C/W
Operating and Storage Temperature Range	TJ, TSTG	-65 to + 150	°C

Notes : 1. Short duration pulse test used to minimize self-heating effect

2. Device mounted on FR-4 PCB

Electrical Characteristics @TA=25°C unless otherwise specified

Part Number	Marking Code	Zener Voltage Range (Note 1)				Maximum Zener Impedance f=1KHz			Maximum Reverse Current(Note 1)	
		Vz @ IZT			IZT	ZZT @ IZT	ZZK @ IZK	IZK	IR	VR
		Nom. V	Min. V	Max. V	IZ(mA)	Ω		mA	μA	V
BZT52-C6V8FN2	WC	6.8	6.46	7.14	5	15	80	1.0	2.0	4.0

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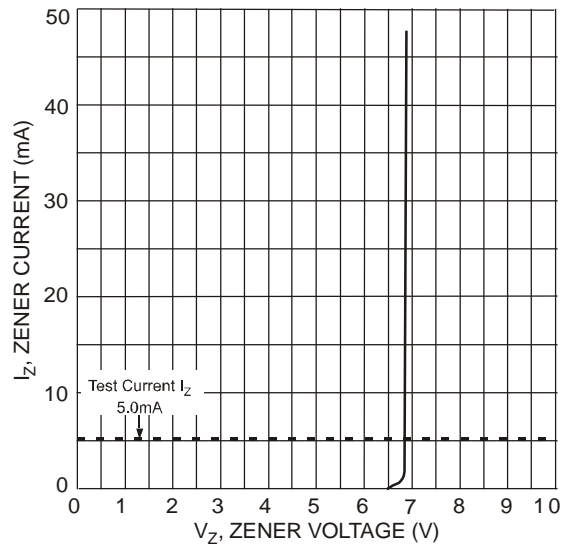
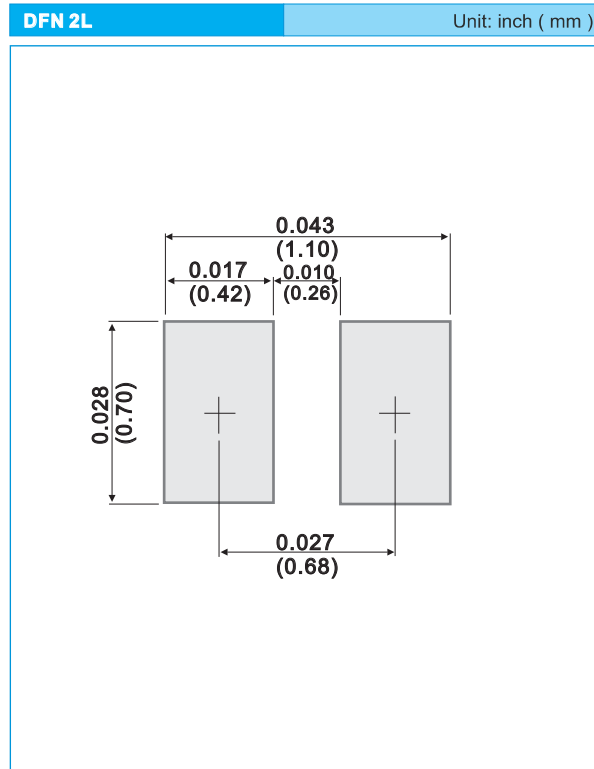


Fig. 1 Typical Zener Breakdown Characteristics



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MOUNTING PAD LAYOUT



ORDER INFORMATION

- Packing information
T/R - 8K per 7" plastic Reel

LEGAL STATEMENT

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